

Work Order ID 71525 -1

Wednesday, July 06, 2011 11:05:01 AM

Page 1

Item ID: D3564-3

Revision ID:

Item Name: Wearshoe

Start Date: 7/6/2011

Start Qty: 10.00

Required Date: 7/7/2011

Req'd Qty: 10.00

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3564

Rev D

100



Waterjet

FLOW CNC Waterjet

304 . C63

FLOW WATER JET

Memo

1-Cut as per Dwg D3564 ***** (D3564-1F) ***** Dwg Rev: D Prog
Rev: D 2-Deburr if necessary

110



QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

120



QC

Quality Control

QC8- Inspect parts - second check

Memo

Accept

Cust Item ID:

Customer:



B11-7-7

10

B11-7-7

40

8/10/11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 71525

Wednesday, July 06, 2011 11:05:01 AM



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Item ID: D3564-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Wearshoe

Start Date: 7/6/2011 Start Qty: 10.00



Cust Item ID:

Required Date: 7/7/2011 Req'd Qty: 10.00



Customer:

Reference:

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130



Brake NC

Brake NC

NC BRAKE

Memo

0.00

0.00

Debur if necessary Form on Brake as per Dwg D3564 using Jigs DT8179 and DT8155 Form Joggle as per Dwg D3564 on brake using Jig DT8157

Bill 7/10/08



140



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

0.00

Memo

Ensure joggle as per dwg D3429

8/10/08



150



Large Fab

Large Fab

Large Fab

Memo

Qty Description Batch A/R 2059B Hardcoat
M118196 Weld hardcoat as per Dwg D3437

0.00

0.00

EL 11-7-10



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Revision ID:

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Start Qty: 10.00

Required Date: 7/7/2011

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Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

QC10- Inspect visual per QSI004- ground welds

0.00



QC

Memo

0.00

Quality Control

170

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

180

Grey Sandtex (Ref: 4.3, 5.6) per QSI005 4.3

0.00



Powdercoat

Memo

Powder Coating

START TIME:

FINISH TIME:

OVEN TEMPERATURE:

M 115128

11:15

10:45

320 OF

74

4x of m-ful/07/13

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Item ID: D3564-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Wearshoe

Start Date: 7/6/2011 Start Qty: 10.00



Cust Item ID:

Required Date: 7/7/2011 Req'd Qty: 10.00



Customer:

Reference:

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID Tool # Plan Code Accept Qty Reject Qty Reject Number Insp. Stamp

190

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

4 0 21 11/07/13

200

Identify as per dwg & Stock Location: FP-19

0.00



Packaging

Memo

0.00

Packaging

4 0 21 11/07/13

210

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/7/13
me
11-07-13

Dart Aerospace Ltd

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Picklist Print

Wednesday, July 06, 2011 11:04:59 AM

Page 1

Work Order ID: 71525



Parent Item: D3564-3



Parent Item Name: Wearshoe

Start Date: 7/6/2011

Required Date: 7/7/2011

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:A New Issue 07-03-08 ec
 IPP Rev:B As per Rev C 07-07-09 JLM
 IPP Rev:C As per Rev D 07-09-09 JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M304S16GA

Purchased

No

100

sf

20.1000

1.1

11.57895



B11-7-7

304/316 Sheet .063

Location

Loc Qty

Loc Code

MAT020

20.1

117275

1.7

117653

18.4

117653

(10)

W/O:		WORK ORDER CHANGES					
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DART AEROSPACE LTD		Work Order: 71525
Description: Wearshoe		Part Number: D3564-3
Inspection Dwg: D3564	Rev: D	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
3.227	+/-0.010	3.224	✓		V B02	
2.432	+/-0.010	2.438	2		V	
2.50	+/-0.030	2.50	✓		V	
6.000	+/-0.010	6.006	✓		T B01	
12.104	+/-0.010	12.104	✓		T	
18.000	+/-0.010	18.00	✓		T	
18.000	+/-0.010	18.06	✓		T	
18.00	+/-0.030	18.06	✓		T	
9.00	+/-0.030	9.00	✓		T	
11.50	+/-0.030	11.50	✓		T	
0.300 x 0.300	+/-0.010	0.301 x 0.301	✓		V	
Ø0.188	+0.005/-0.001	.190	2		V	
R0.375	+/-0.010	.375	✓		V	
0.063	+/-0.010	.058	✓		V	

Measured by: B	Audited by: S	Prototype Approval: N/A
Date: 11-7-7	Date: 11/07/07	Date: N/A

Rev	Date	Change	Revised by	Approved
A	07.09.06	New Issue	KJ/JLM	
B	08.09.04	Dwg Rev updated	KJ/DD	

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RELEASED

07.09.04



2) FINISH: POWDER COAT GREY SANDEX (REF 4.3.5.6) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.015 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: SEE TABLE IN ZONE A3
8) WELD PER DART QSI 004
9) SEE PG 3 FOR SECTIONS AND DETAILS
10) PARTS ARE SYMMETRIC ABOUT C

WEIGHTS:	
D3564-1	1.85 lbs
D3564-3	1.85 lbs
D3564-5	1.93 lbs
D3564-7	1.26 lbs
D3564-9	1.85 lbs
D3564-11	1.85 lbs
D3564-13	0.38 lbs
D3564-15	0.80 lbs

D	UPDATE DRAWING TEMPLATE; CHANGE ALL (TYP X PLS) TO (X PLACES); PG1 A8: UPDATE NOTES; PG1 A8, PG3 B5, C5: ADD D3564-15; PG1 B8, B3: D3564-1/3 WAS ONE FIGURE; PG2 A7, A3: D3564-9/-11 WAS ONE FIGURE; PG2 A7, A3: D3564-9/-11 WAS ON PG1; PG3 B8, C8: D3564-13 WAS ON PG2; PG3 D2: WELDING DETAIL WAS ON PG1 PG3 A5,7,B2: RELOCATE DETAILS AND SECTION; PG3 A5,7,B2: INCREASE DETAIL AND SECTION SIZE	CB	07.08.21
C	MOVE TAB OUTBOARD, DETAIL A	PH	07.04.17
B	ADD AMS 5513 AND AMS 5524	PH	07.03.20
A	NEW ISSUE	PH	06.12.18
REV.	DESCRIPTION	BY	DATE
DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	CB		
CHECKED	PH		
MFG. APPR.	PH		
APPROVED	PH		
DE APPR.	PH	DRAWING NO. D3564 TITLE WEARSHOE	REV. D SHEET 1 OF 1
DATE	07.08.21	COPYRIGHT © 2006 BY DART AEROSPACE LTD <small>ALL RIGHTS RESERVED. NO PART OF THIS PUBLICATION MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.</small>	

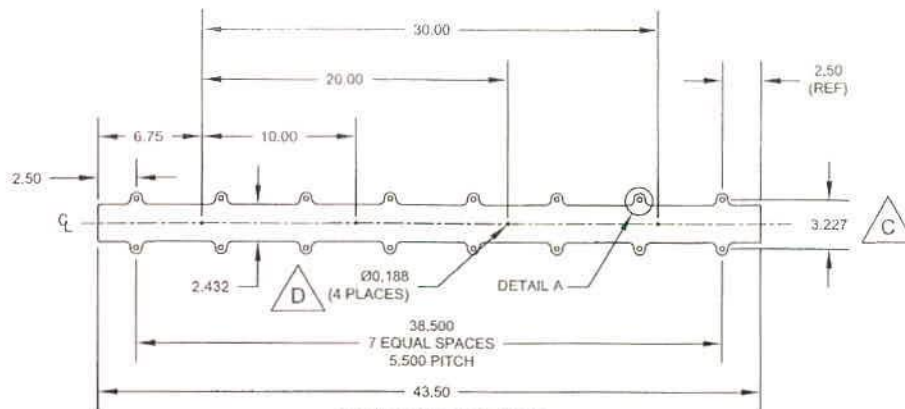
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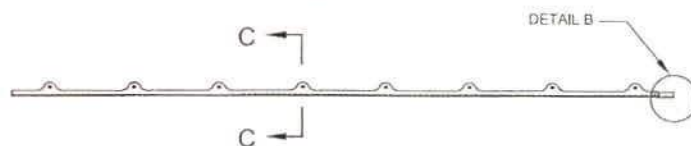
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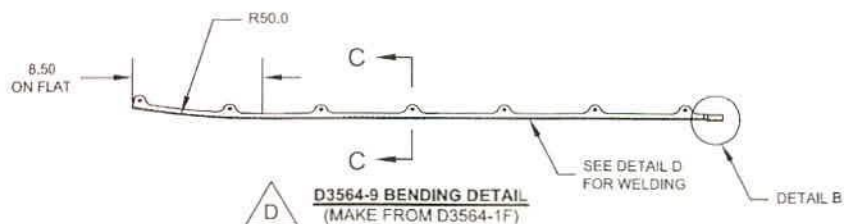
NOTE: Date & initial all entries



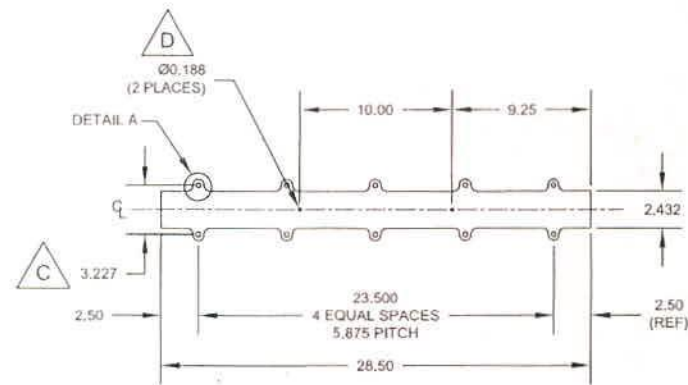
D3564-5F FLAT PATTERN



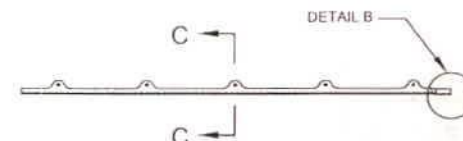
D3564-5 BENDING DETAIL
(MAKE D3564-5 FROM D3564-5F)



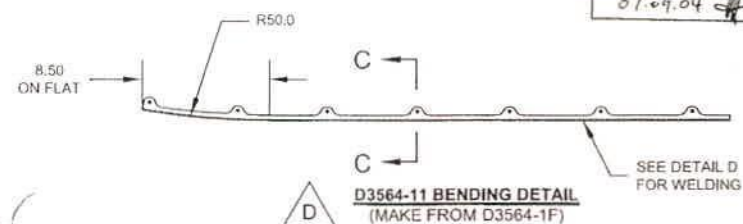
D3564-9 BENDING DETAIL
(MAKE FROM D3564-1F)



D3564-7F FLAT PATTERN



D3564-7 BENDING DETAIL
(MAKE D3564-7 FROM D3564-7F)



D3564-11 BENDING DETAIL
(MAKE FROM D3564-1F)

RELEASED
07.09.04

DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	CB		
CHECKED	PH	DRAWING NO.	REV. D
MFG. APPR.	PH	D3564	SHEET 2 OF 3
APPROVED	PH	TITLE	SCALE
DE APPR.	PH	WEARSHOE	1:8
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71525

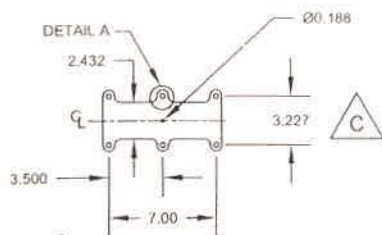
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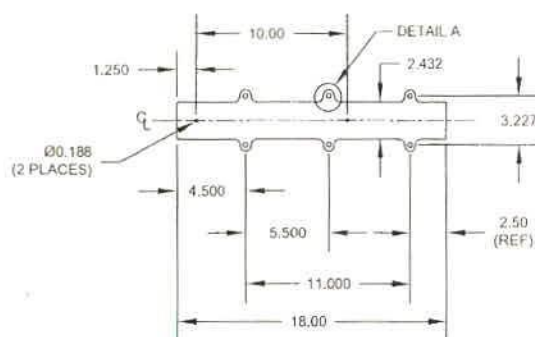
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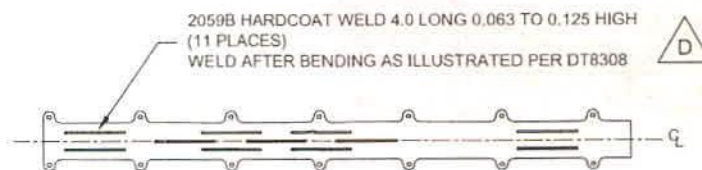
NOTE: Date & initial all entries



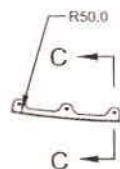
D3564-13F FLAT PATTERN



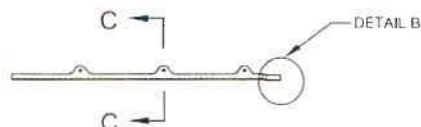
D3564-15F FLAT PATTERN



DETAIL D
(D3564-1/-3/-9/-11 WELDING DETAIL)



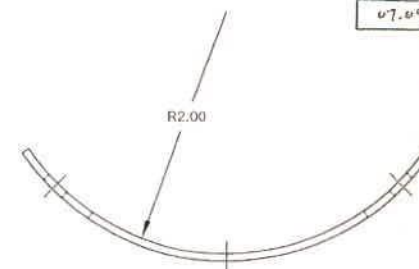
D3564-13 BENDING DETAIL
(MAKE D3564-13 FROM D3564-13F)



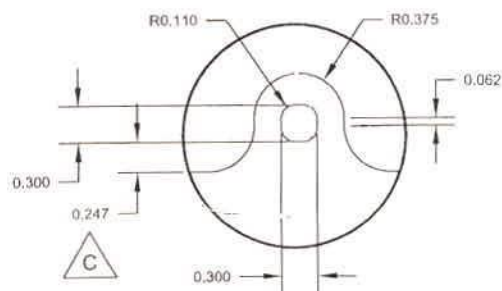
D3564-15 BENDING DETAIL
(MAKE D3564-15 FROM D3564-15F)

RELEASED

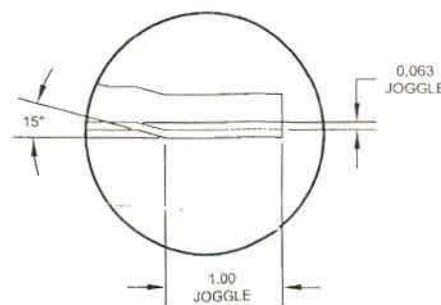
07.09.04



SECTION C-C
SCALE 1:1



DETAIL A
SCALE 1:1



DETAIL B
SCALE 1:1

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	CB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. D
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